

# Cue Energy Resources Limited

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TO : Company Announcements Office

> 10th Floor 20 Bond Street Sydney NSW 2000

DATE: 24 January 2006 PAGES (including this page):15

FROM: Andrew Knox

RE : Quarterly Report for Period Ending 31 December 2005

Attached please find Cue Energy Resources Limited's release with respect to the above mentioned.

Yours faithfully

Andrew M Knox **Public Officer** 

## QUARTERLY REPORT FOR THE QUARTER ENDING 31 DECEMBER 2005

#### **QUARTER HIGHLIGHTS**

• Cash at the end of the quarter was A\$9.4 million.

#### Papua New Guinea

- Quarterly revenue received from SE Gobe field was A\$1.8 million.
- Construction of a new drilling pad for additional SE Gobe oil production wells was completed.

#### Indonesia

- Oyong development drilling was completed.
- The Jeruk -2 sidetrack -4 well was flow tested at a controlled rate of 3000 barrels of oil per day.
- Processing of the 3D seismic data was largely completed and the data was used to produce a revised Jeruk structure map.
- Subsequent to the end of the quarter, Cue restructured its interest in the Jeruk field through an agreement with Medco Strait Services Pte Ltd, whereby Medco agreed to reimburse 90.9% of the in kind premium and to pay approximately US\$6 million in back costs, in return for Cue transferring a 6.818182% economic interest in the field.

#### **New Zealand**

- A Petroleum Mining Permit application for the Maari field was granted by the New Zealand authorities.
- Letters of Intent were issued for construction of the Maari well head platform and for the floating production, storage and offtake (FPSO) vessel.

#### Australia

• Cue obtained a 20% interest in AC/P20 in the Timor Sea. AC/P20 contains the Maple - Cash gas field.

#### 1. PRODUCTION

PDL 3 - SE Gobe Field, PNG (5.568892% interest)

**Operator: Santos** 

SE Gobe Unit, PNG (3.285646 % interest)

**Operator: Oil Search** 

At the end of the quarter, the SE Gobe oil field was producing at an average rate of approximately 7900 barrels of oil per day (Cue share approximately 260 barrels of oil per day). Cue's oil production revenue received during the quarter from the SE Gobe oil field was A\$1.8 million and equated to 21,786 barrels. Cue did not have any hedging arrangements in place during the quarter.

During the quarter, construction of a drilling pad for further SE Gobe production wells was completed and rig move to the pad began. It is expected that the SEG -12 well will begin drilling in late January 2006.

#### 2. DEVELOPMENT ACTIVITY

#### INDONESIA

Sampang PSC - Madura Strait, East Java, Indonesia (15% Interest)

**Operator: Santos** 

**Oyong** 

The Oyong field was discovered in mid 2001.

The oil and gas discovery is in 45 metres of water approximately 8 kilometres south of Madura Island. The three initial wells Oyong -1, -2, -3 indicated a gas column of approximately 120 metres, underlain by a 38 metre oil column.

On July 19, 2003 a Gas Sales Agreement was signed with PT Indonesia Power for the entire gas reserves of the Oyong field. The sale is denominated in US dollars.

#### **Oyong Development Plan**

Oyong is being developed in two phases, an oil phase followed by a gas development phase.

The production facility consists of a simple well head structure formed by triangular braced surface well conductors which extend above the sea surface from a sea floor tall template structure. The development wells have been drilled through and between the conductors.

Oil and gas will be processed on a nearby moored production barge. Oil will be stored in a permanently moored tanker prior to being exported and gas will be sent by pipeline to the P.T. Indonesia electricity generating station at Grati, East Java, under the existing contract. Solution gas associated with the early oil production will be reinjected until gas production begins to Grati.

#### **Development Progress**

Development drilling was completed in December 2005. Drilling of the development wells revealed unexpected sealing faults that divide the reservoir into several fault bounded compartments.

Oil is absent from all fault compartments in the southern part of the field, but present in those in the north. The gas column is present in all fault compartments, substantially as anticipated. The structural complexity has required the drilling of pilot holes and some side track wells, leading to higher drilling costs.

The field compartmentalisation has also resulted in lower volumes of oil in place and hence in lower volumes of recoverable oil than previously interpreted. Preliminary analysis suggests that recoverable oil volumes are now likely to be less than 8 million barrels, but that recoverable gas volumes are still likely to be around 100 billion cubic feet of sales gas.

Oil production is expected to begin late in first quarter 2006, due to contractual negotiations and delays in completing modifications to the production barge. Initial field oil flow rates are likely to be less than 10,000 barrels of oil per day. A clearer picture is unlikely until the field has been producing oil for several months. The gas production rate is not expected to be significantly changed and will be between 40-60 million cubic feet per day, with gas production expected to begin in early 2007.

Despite the changes to oil reserves, the high current and projected future oil prices, in conjunction with gas sales, result in positive Oyong economics and will increase cash flow to Cue.

#### **Oyong Capital Cost**

The capital expenditure for the field is now anticipated to be approximately US\$130 million. Cue's share is now estimated to be US\$19.5 million. The increase has been primarily due to the additional development drilling costs.

#### NEW ZEALAND

**PMP 38160** 

PEP 38413 Taranaki Basin - New Zealand (5% interest)

**Operator: OMV New Zealand** 

**Background** 

PMP 38160 and PEP 38413 contain the Maari field and the nearby Manaia oil discovery, respectively. Cue acquired its interest in the field in March 2005. Maari is situated in 100 metres water depth, approximately 80km from the Taranaki coast and is the largest undeveloped offshore oil field in New Zealand. The field was discovered by the Moki -1 exploration well, drilled in 1983 and has been the subject of a number of subsequent delineation wells.

Total  $P_{50}$  Moki formation recoverable oil volumes in the field are estimated to be approximately 45-50 million barrels. Oil is reservoired in shallower M2A sands and oil and gas in the deeper Mangahewa Formation. Only the Moki Formation will be initially produced.

The M2A sands will be further appraised by the Moki Formation production wells and could provide upside production in the future. The Mangahewa Formation hydrocarbons appear to be sub commercial at this stage. The Manaia discovery requires further appraisal before its ultimate potential can be determined.

The proposed development scheme for Maari is a well head platform which will house the well heads for five horizontal production wells and three water injection wells. The produced hydrocarbons and water will be sent by subsea flow lines to a nearby Floating Production, Storage and Offtake (FPSO) vessel, where the oil, associated gas and produced water will be separated and processed.

First oil production anticipated in the first half of 2008 with an initial expected oil production rate of approximately 35,000 barrels of oil per day (gross), (Cue's share being 1750 barrels of oil per day). Oil production is expected to continue for around 10 years in the  $P_{50}$  reserve case.

Cue's share of capital development costs is now estimated to be US\$18-20 million, an increase of US\$6 million, primarily due to the substantial general cost increases being experienced by the oil and gas industry.

#### **Activity**

During the quarter, the joint venture approved development of Maari and the New Zealand authorities issued Petroleum Mining Permit PMP 38160 for the field. An Appraisal Extension Permit application for PEP 38413 was submitted for the area covering the Manaia oil discovery. Manaia was not included in the Maari PMP approval.

Letters of Intent were issued for construction of the Maari well head platform and for the floating production, storage and offtake (FPSO) vessel.

Other development contractual activities were ongoing.

At the end of the quarter, a geotechnical evaluation vessel arrived to undertake soil boring and other sea floor evaluation surveys at the planned Maari platform location.

#### 3. EXPLORATION ACTIVITIES

#### PAPUA NEW GUINEA

#### PDL 3 - Papuan Basin, PNG (5.568892% Interest)

**Operator: Santos** 

No exploration activity took place during the quarter.

#### PPL 190 - Papuan Basin, PNG (10.947% Interest)

**Operator: Oil Search** 

During the quarter, interpretation of the Wabi-Wasuma seismic survey indicated that closure on the Wasuma structure trend was not present in PPL 190. A new sub thrust structure, Murray Deep, was recognised and mapped and is the candidate for an exploration well, which is anticipated to begin drilling in third quarter 2006.

## PRL -8 - Papuan Basin, PNG (10.72% Interest)

**Operator: Oil Search** 

No exploration activity took place during the quarter.

PRL -8 contains the Kimu gas field.

Oil Search estimates that Kimu contains approximately 900 billion cubic feet of recoverable gas that contains no sulphur or carbon dioxide. Cue's net share is approximately 100 billion cubic feet of recoverable gas.

## PRL -9 - Papuan Basin, PNG (14.894% Interest)

**Operator: Santos** 

No exploration activity took place during the quarter.

PRL -9 contains the Barikewa gas field. Barikewa is assessed by Santos to contain approximately 800 billion cubic feet of recoverable natural gas with Cue's share being approximately 120 billion cubic feet. Barikewa is located immediately adjacent to the likely route for the proposed PNG - Queensland gas pipeline.

#### INDONESIA

Sampang PSC – Madura Strait, East Java, Indonesia (15% Interest) Operator: Santos Jeruk Background

Following the encouraging results of the Jeruk -2 Sidetrack 2 well, Cue reinstated its full 15% interest in the Jeruk oil discovery, on 28 April 2005.

Cue's option to reinstate was triggered by Santos' proposal to further appraise the Jeruk discovery by re-entering the Jeruk -2 well and further sidetracking, coring and production flow testing the well, and to drill four additional appraisal wells.

The additional Jeruk appraisal drilling activity is designed to follow up the results from the Jeruk -1 and Jeruk -2 wells, which were drilled by Santos on a sole risk basis in 2004 and early 2005.

Jeruk -1 tested 4,700 barrels of oil and water from an open hole test at the top of the objective carbonate reservoir.

The Jeruk -2 Sidetrack 2 appraisal well flowed 7488 barrels of 33 ° API oil over a five hour period, through a 0.5 inch surface choke from an 18 metre interval from 5134 to 5152 metres measured depth at the top of the carbonate reservoir. The flow rate was constrained by the throughput capacity of the surface production facilities.

A further drill stem test (DST-3) in Jeruk -2 sidetrack 3, over the interval 5430-5460 metres measured depth, recovered oil and water, but flow potential of this zone could not be established due to restrictions caused by debris in the test string and mechanical problems in the well bore. The qualities of the oil and the pressure data from this test indicated that the oil is part of the same hydrocarbon column tested by the shallower Jeruk -2 Sidetrack 2 oil test, and consequently an oil column of some 380 metres was inferred to be present by the Operator.

#### Finance

By reinstating its rights Cue became obligated to pay in cash a lump sum amount of approximately US\$9.1 million (A\$12 million), which is equivalent to the cost it would have incurred if it had participated in the Jeruk -1 and -2 wells from the outset. The lump sum was paid on 27 May 2005. In addition, Cue was required to pay a premium out of any future Jeruk oil production of approximately US\$55 million.

In order to replace existing funds which were used to pay the lump sum and the cost of the re-entry, further sidetracking, coring and testing of Jeruk -2, Cue made a renounceable pro-rata entitlement offer of one new share for every five existing shares at an issue price of AUD 20 cents, raising AUD 17.4 million, less fees.

#### Jeruk -2 Sidetrack -4

In early May 2005, the Jeruk -2 well was re-entered and further sidetrack operations began. The side track was located approximately 200 metres west of Jeruk -2 ST 2. The top of the carbonate reservoir was penetrated some 66 metres low to prediction and approximately 40 metres low to the top in Jeruk -2 ST 2. An open hole flow test of the upper portion of the hole from 4974-5100 metres measured depth, flowed oil and mud prior to the test packer failing and the test being aborted.

Three rock cores were cut in total, to provide information on the reservoir quality. The cores show poor quality reservoir at this location. A deeper open hole flow test of the zone from 5088-5230 metres measured depth, initially recovered formation water and later, oil.

The zone from which the formation water was recovered is above the depth (5430-5460 metres measured depth) where oil and formation water were recovered in Jeruk - 2 Side track -3.

A further flow test attempted at the top of the reservoir over the interval 5042-5080 metres measured depth, failed due to mechanical problems, requiring the well to be again side tracked into the top of the reservoir, where an open hole flow test over the interval 5027-5102 metres measured depth recovered oil at a controlled rate of 3000 barrels of oil per day. This test was designed to investigate reservoir parameters and to obtain a representative bulk sample of oil to allow determination of the chemical composition of the oil, including wax content, and to allow more reliable measurement of the concentration of contaminants, such as hydrogen sulphide and carbon dioxide.

The Jeruk drilling results to date indicate more variation in the rock quality and possibly a more complex reservoir system than earlier thought. There remains significant uncertainty as to the size of the oil pool.

#### Seismic

Acquisition of an extensive 3D seismic survey over the eastern and western portions (including Jeruk) of the Sampang block began in January 2005. Processing and interpretation of the survey continued during the quarter. Cue's examination of the 3D data set suggests that the Jeruk structure is likely to be more complex than previously mapped.

#### Jeruk -3

Based on an intregation of results to date and the new 3D seismic, Santos has proposed the drilling of a Jeruk -3 appraisal well to test the central area of the Jeruk structure. The well is expected to begin drilling in January 2006.

#### **Medco Agreement**

Subsequent to the end of the quarter, Cue entered into an agreement with Medco Strait Services Pte Ltd ("Medco"), a subsidiary of PT Medco Energi Internasional Tbk, to share the costs and revenue in respect of the Jeruk field. This agreement, in conjunction with a Deed of Release, removed 90.9% of the inkind premium due by Cue to Santos (being that portion of the premium due to Medco under an earlier Jeruk participation agreement between Medco and Santos).

The remaining 9.1% of the in kind premium due by Cue to Santos continues in force.

The obligation to pay an in kind premium arose as a result of Cue reinstating its rights following the drilling of two sole risk wells on the Jeruk structure previously funded solely by Santos and Medco.

In return for Medco foregoing its share of the above premium, Cue has transferred a 6.818182% economic interest out of its 15% interest in the Jeruk discovery to Medco.

Cue's Jeruk interest reduces to 8.181818% and will reduce further to 7.36% following participation by the nominated Indonesian company (see below).

The agreements remove the requirement for Cue to forego production to the value of approximately USD50 million out of Cue's share of first production from Jeruk and allows Cue to participate in first cash flow from Jeruk.

In addition, Medco will reimburse Cue in cash for the Medco proportional share of the past Jeruk expenditures and working capital, cash called and paid up, equating to approximately USD6m.

Cue views the agreement with Medco as an excellent outcome for the company in that;

- 1. It provides Cue cash flow from first Jeruk production,
- 2. It provides prorata reimbursement of past costs,
- 3. It more closely aligns the interests of the Jeruk participants and
- 4. Cue retains its full 15% interest in the remainder of the promising Sampang PSC.

Singapore Petroleum Company Limited (SPC) also entered into a similar pro rata arrangement with Medco.

#### Other Exploration

The 3D seismic was designed to also provide more detailed information on several potentially drillable prospects. At least one exploration well is expected to be drilled in 2006.

#### **Indonesian Participation**

Under the terms of the Sampang Production Sharing Contract (and other Indonesian PSC's), BPMIGAS, or its nominee, has the right to acquire one tenth of the participating interests of each of the participants subject to the reimbursement of all past costs. Petrogas Oyong Jatim, a company associated with the East Java regional government, is acquiring the interest and as a result Cue's participating interest in the PSC will reduce to 13.5% and in Jeruk to 7.36%. Cue will be reimbursed past costs of approximately US\$2 million.

The acquisition is expected to be finalised shortly.

#### AUSTRALIA

EP 363 Carnarvon Basin - Western Australia (10% buy back option) Operator: Apache Energy

No exploration activity took place during the quarter.

T37/P Bass Basin - Tasmania (50% interest)

**Operator: Cue Energy Resources** 

T38/P Bass Basin - Tasmania (50% interest)

**Operator: Cue Energy Resources** 

During the quarter investigation and acquisition of existing technical data continued.

### WA-359-P - Carnarvon Basin - Western Australia (50% interest) Operator: Cue Energy Resources

During the quarter acquisition of existing technical data continued.

WA-360-P - Carnarvon Basin - Western Australia (50% interest) Operator: Cue Energy Resources

During the quarter acquisition of existing technical data continued.

WA-361-P - Carnarvon Basin - Western Australia (50% interest) Operator: Cue Energy Resources

During the quarter acquisition of existing technical data continued.

By Order of the Board

Solven Krok

Andrew Knox Public Officer

Various statements in the release constitute statements relating to intentions, future acts and events. Such statements are generally classified as forward looking statements and involve known risks, expectations, uncertainties and other important factors that could cause those future acts, events and circumstances to differ from the way or manner in which they are expressly or impliedly portrayed herein.

Some of the more important of these risks, expectations and uncertainties are pricing and production levels from the properties in which the Company has interests, and the extent of the recoverable reserves at those properties. In addition, the Company has a large number of exploration permits. Exploration for oil and gas is expensive, speculative and subject to a wide range of risks. Summaries of some of the risks inherent in an investment in Cue Energy are set out on pages 11 and 24 of our Prospectus dated 19 May 2005 and lodged with the Australian Securities and Exchange Commission. Individual investors should consider these matters in light of their personal circumstances (including financial and taxation affairs) and seek professional advice from their accountant, lawyer or other professional adviser as to the suitability for them of an investment in the Company.

Rule 5.3

# Appendix 5B

## Mining exploration entity quarterly report

Introduced 1/7/96. Origin: Appendix 8. Amended 1/7/97, 1/7/98, 30/9/2001.

Name of entity			
Cue Energy Resources Limited			
ABN	Quarter ended ("current quarter")		
45 066 383 971	31 December 2005		

## Consolidated statement of cash flows

		Current quarter	Year to date
Cash flows related to operating activities			6 months
		\$A'000	\$A'000
1.1	Receipts from product sales and related debtors	1,845	3,788
1.2	Payments for (a) exploration and evaluation	(1,049)	(4,883)
	(b) development	(7,031)	(12,512)
	(c) production	(523)	(1,246)
	(d) administration	(522)	(1,084)
1.3	Dividends received	-	-
1.4	Interest and other items of a similar nature		
	received	194	437
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	(515)	(539)
1.7	Other (provide details if material)	-	-
	Net Operating Cash Flows	(7,601)	(16,039)
	Cash flows related to investing activities		
1.8	Payment for purchases of:		
1.0	(a) prospects	_	_
	(b) equity investments	_	_
	(c) other fixed assets	(9)	(26)
1.9	Proceeds from sale of:	(-)	(= *)
	(a) prospects	_	_
	(b) equity investments	_	-
	(c) other fixed assets	_	-
1.10	Loans to other entities	-	-
1.11	Loans repaid by other entities	-	-
1.12	Other (provide details if material)	-	-
	Net investing cash flows	(9)	(26)
1.13	Total operating and investing cash flows	, ,	
	(carried forward)	(7,610)	(16,065)

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1.13	Total operating and investing cash flows		
	(brought forward)	(7,610)	(16,065)
	Cash flows related to financing activities		
1.14	Proceeds from issues of shares, options, etc.	-	-
1.15	Proceeds from sale of forfeited shares	-	-
1.16	Proceeds from borrowings	-	-
1.17	Repayment of borrowings	-	-
1.18	Dividends paid	-	-
1.19	Share Issue Costs	-	-
	Net financing cash flows	1	-
	Net increase (decrease) in cash held	(7,610)	(16,065)
1.20	Cash at beginning of quarter/year to date	16,898	25,088
1.21	Exchange rate adjustments to item 1.20	153	418
1.22	Cash at end of quarter	9,441	9,441

Payments to directors of the entity and associates of the directors Payments to related entities of the entity and associates of the related entities

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		Current quarter \$A'000	
1.23	Aggregate amount of payments to the parties included in item 1.2	75	
1.24	Aggregate amount of loans to the parties included in item 1.10	-	
1.25	Explanation necessary for an understanding of the transactions		

on-cash financing and investing activities
Details of financing and investing transactions which have had a material effect on consolidated assets and liabilities but did not involve cash flows
-
Details of outlays made by other entities to establish or increase their share in projects in which the reporting entity has an interest
-

Directors fees

### Financing facilities available

Add notes as necessary for an understanding of the position.

		Amount available \$A'000	Amount used \$A'000
3.1	Loan facilities	-	-
3.2	Credit standby arrangements	-	-

## Estimated cash outflows for next quarter

	Total	6,785
4.2	Development	3,727
4.1	Exploration and evaluation	\$A'000 3,058

## **Reconciliation of cash**

show	nciliation of cash at the end of the quarter (as n in the consolidated statement of cash flows) to elated items in the accounts is as follows.	Current quarter \$A'000	Previous quarter \$A'000
5.1	Cash on hand and at bank	1	27
5.2	Deposits at call	9,440	16,871
5.3	Bank overdraft	-	-
5.4	Other (provide details)		-
	Total: cash at end of quarter (item 1.22)	9,441	16,898

## Changes in interests in mining tenements

1

Tenement

		reference	(note (2))	beginning of quarter	end of quarter
6.1	Interests in mining tenements relinquished, reduced or lapsed	-	-	-	-
6.2	Interests in mining tenements acquired or increased	AC/P20	Working	-	20%

Nature of interest

Interest at

Interest at

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### Issued and quoted securities at end of current quarter

Description includes rate of interest and any redemption or conversion rights together with prices and dates.

		Total number	Number quoted	Issue price per security (see note 3) (cents)	Amount paid up per security (see note 3) (cents)
7.1	Preference *securities (description)	-	-	-	-
7.2	Changes during quarter  (a) Increases through issues  (b) Decreases through returns of capital, buy-backs, redemptions		-	-	- -
7.3	+Ordinary securities	523,532,506	523,532,506	-	-
7.4	Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs			-	-
7.5	<sup>+</sup> Convertible debt securities (description)	-	-	-	-
7.6	Changes during quarter (a) Increases through issues (b) Decreases through securities matured, converted				
7.7	Options (description and conversion factor)	1,000,000 1,000,000	-	Exercise Price 30 cents 35 cents	02/05/06 02/05/07
7.8	Issued during quarter		-	-	-
7.9	Exercised during quarter	-	-	-	-
7.10	Expired during quarter	_	-	-	-
7.11	<b>Debentures</b> (totals only)		-		
7.12	Unsecured notes (totals only)	-	-		

## **Compliance statement**

- This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Act or other standards acceptable to ASX (see note 4).
- 2 This statement does give a true and fair view of the matters disclosed.

Solven Krok

Sign here: Date: 24 January 2006

Public Officer

Print name: Andrew Knox

#### **Notes**

1

The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity wanting to disclose additional information is encouraged to do so, in a note or notes attached to this report.

- The "Nature of interest" (items 6.1 and 6.2) includes options in respect of interests in mining tenements acquired, exercised or lapsed during the reporting period. If the entity is involved in a joint venture agreement and there are conditions precedent which will change its percentage interest in a mining tenement, it should disclose the change of percentage interest and conditions precedent in the list required for items 6.1 and 6.2.
- 3 **Issued and quoted securities** The issue price and amount paid up is not required in items 7.1 and 7.3 for fully paid securities.
- The definitions in, and provisions of, AASB 1022: Accounting for Extractive Industries and AASB 1026: Statement of Cash Flows apply to this report.
- Accounting Standards ASX will accept, for example, the use of International Accounting Standards for foreign entities. If the standards used do not address a topic, the Australian standard on that topic (if any) must be complied with.

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#### APPENDIX A

# QUARTERLY REPORT OF CONSOLIDATED CASHFLOWS - QUARTER ENDED 31 DECEMBER 2005

#### **Amended List of Mining Tenements**

PERMIT	OPERATOR	CUE INTEREST (%)
Petroleum Properties		
Indonesia Sampang PSC	Santos (Sampang) Pty Ltd	15
Papua New Guinea PPL 190 PDL 3 PRL 9 SE Gobe Field Unit PRL 8	Oil Search Limited Barracuda Pty Ltd " " " Oil Search (PNG) Limited Oil Search Limited	10.947 5.568892 14.894 3.285646 10.72
Australia T/37P T/38P WA359P WA360P WA361P AC/P20	Cue Energy Resources Limited	50.00 50.00 50.00 50.00 50.00 20.00
New Zealand PEP 38413	OMV New Zealand Limited	5.00